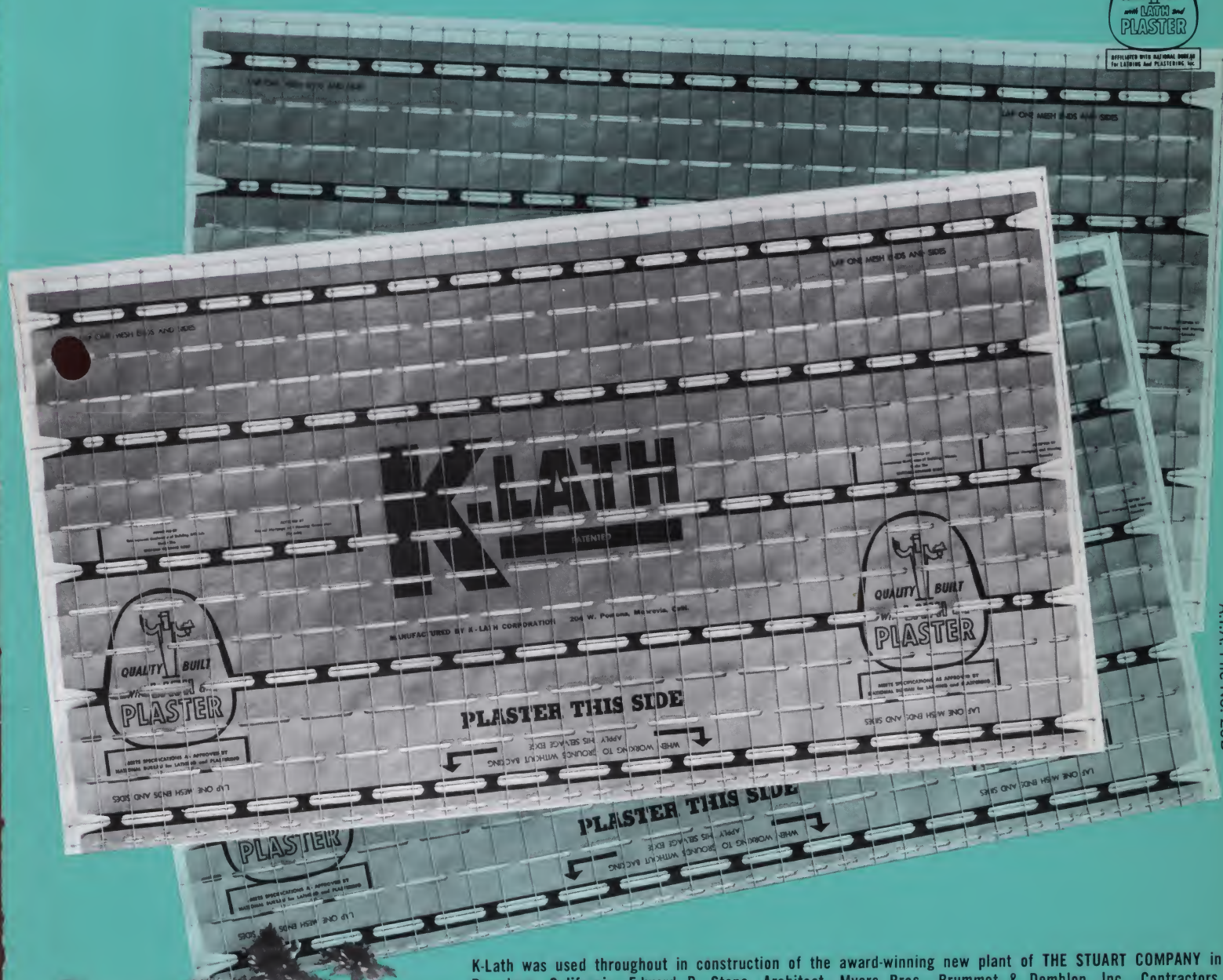


K-LATH

makes good building better...



APPROVED BY NATIONAL BOARD OF THE LATHING AND PLASTERING, INC.



A.I.A. File No. 20B

K-Lath was used throughout in construction of the award-winning new plant of THE STUART COMPANY in Pasadena, California. Edward D. Stone, Architect; Myers Bros., Brummet & Demblon, Inc., Contractors.



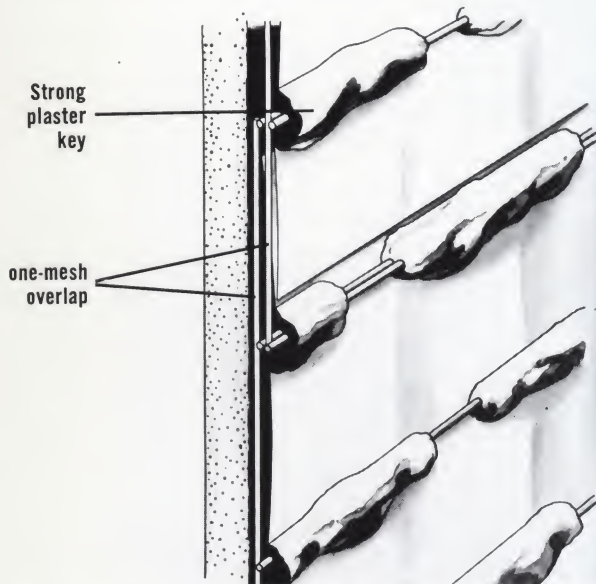
K-LATH is ideal for modern mechanized lathing

Deeper embedment in plaster assures greater strength

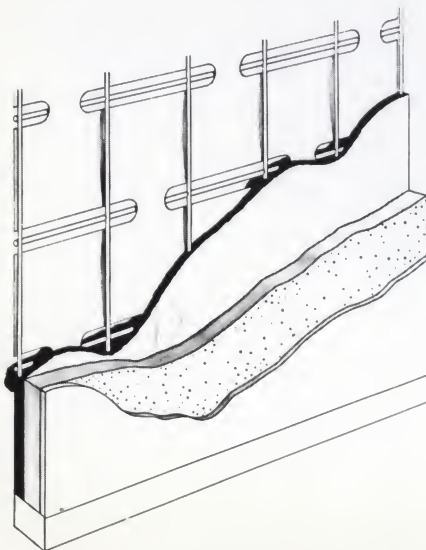
K-Lath achieves greater strength in walls and ceilings by its unique design: the *galvanized* steel wire is electrically welded through slots in the heavy kraft paper backing. The paper backing cannot tear loose, and very deep embedment of plaster is obtained (see illustration below) since the slots serve to form large, positive plaster keys, scientifically arranged for greatest strength.

K-Lath saves money on the job. Packaged flat, it is easily handled even on scaffolding. K-Lath lies flat, may be tied on, nailed, stapled or hog-ringed. Cuts easily, laps smoothly. Saves 25% in plaster materials. Use of K-Lath results in construction 30% lighter, yet 75% stronger!

All types of K-Lath are manufactured of steel wire meeting ASA: A-42.4 specifications, having a tensile strength of 65,000 psi. K-Lath products are *galvanized* for long rust-free life . . . but they are not premium priced.



Rear view shows how slots in paper backing form positive plaster keys, achieve deep embedment without waste of plaster



Front view, showing scratch, brown and finish coats on K-Lath

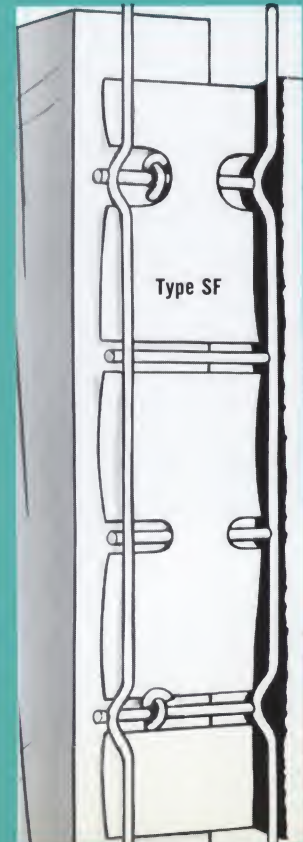


K-LATH...Types SP and SP-SF

Flat or self-furring paper-backed *galvanized* steel wire lath, 1½" x 2" mesh, 13 x 16 gage. Sheets 28" x 50" and 28" x 98½".

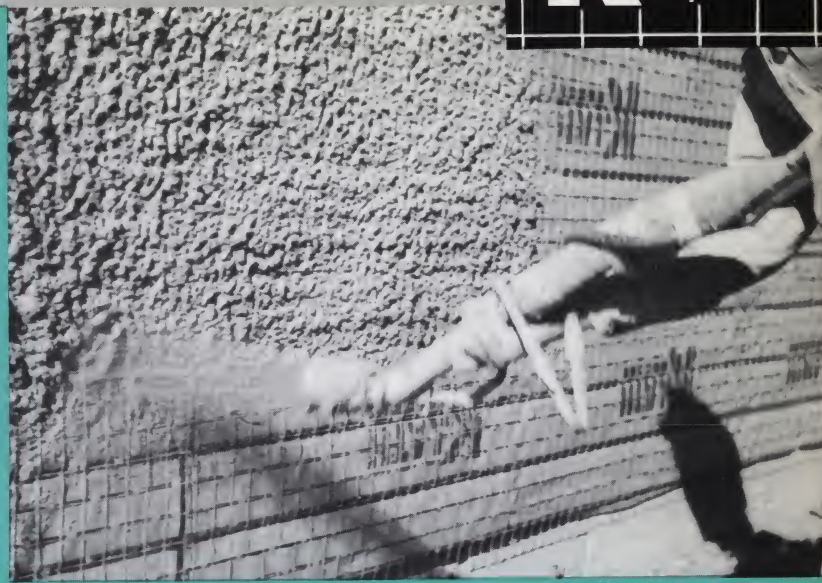
Type SP (SP-50, SP-98½) a flat lath for interior walls, ceilings and fireproofing of columns and beams of all Class A construction; for soffits and sliding door and bathroom areas in homes.

Type SF (SP-SF-50, SP-SF-98½) A self-furring lath with ¼" furring crimp at 6" intervals. For solid sheathed walls and for exterior walls tied to metal framing, where the furring feature holds fabric and mortar ¼" away from the supports, resisting cracking and assuring superior strength.



and machine-applied plastering.

K.LATH
Corporation



K-LATH STUCCO-RITE

Self-furring, waterproof paper-backed *galvanized* steel wire lath, 1½" x 2" mesh, 16 x 16 gage. Class D waterproof backing paper (breather sheet), Fed. Spec. U-UP-147b, is laminated to the back of the kraft face paper with side and end laps to waterproof completely, meeting code requirements. Sheets 28" x 98½" (SR-98½).

For exterior stucco reinforcement and waterproof backing.

Stucco-Rite saves time in lathing because it eliminates line wires that sag or pull door bucks out of alignment. No rolls of paper to create handling problems in the wind; no rolls of netting, difficult to uncoil on scaffolding; no furring

nails needed. *One simple operation:* attach by pneumatically driven staples or nails to wood studs, or hog-ring to metal framing. Both interior and exterior may be lathed by same man, no specialty men required.

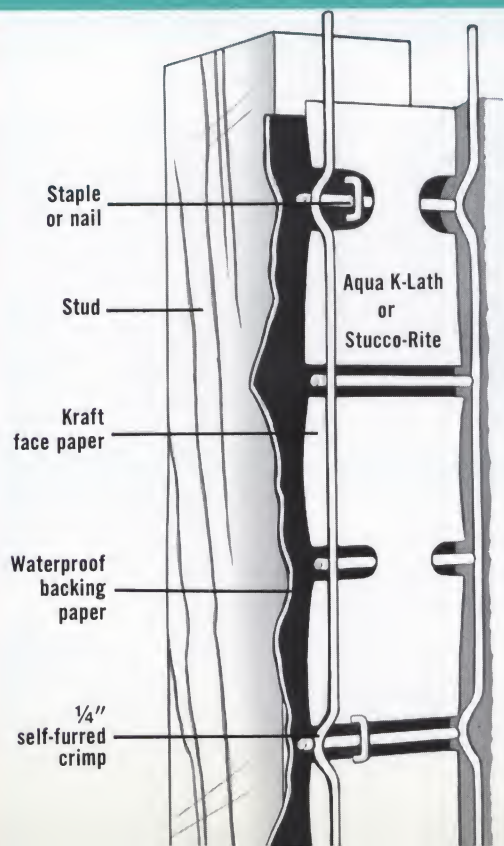
Stucco-Rite saves time and materials in *plastering* because there's no waste plaster. Wire is completely embedded in scratch coat, so brown coat goes on faster. Scratches faster, browns faster, finishes with uniform color because of uniformity of thickness of slab.

AQUA K-LATH

Waterproof paper-backed *galvanized* steel wire lath, 1½" x 2" mesh, 16 x 16 gage. Class B waterproof building paper, Fed. Spec. U-UP-147b, is laminated to the back of the kraft face paper. Sheets 28" x 50" (AK-50) and 28" x 98½" (AK-98½).

Can be applied in one operation to tub and shower areas, curtainwalls and as backing for stone veneer, or wherever a waterproof lath is desirable.

Self-furred and rigid, Aqua K-Lath fits snugly without bagging or sagging, with paper shoe for tub or basin cove. It can be quickly and smoothly applied, even around pipes and fittings.



The entire **K-LATH** line is available through building

SPECIAL-PURPOSE K-LATH

K-Lath can be furnished* with any desired special-purpose waterproofing or insulating backing material, such as:



15-lb. felt*

Orange Label*

Asphalt
impregnated
paper
(Class D)

Aluminum
foil*

30-30-30
laminated
(Class B)

* Special order required.



K-LATH BENTRITE

(galvanized wire Cornerite)

Flat, self-furring galvanized welded steel wire mesh bent to right angles to form a 2" x 2" corner reinforcement for horizontal and vertical angles. Quickly and easily flattened for use as stripping material. Bentrith is packaged in 4-foot lengths, 500 lineal feet to the carton.

Laboratory tests* show Bentrith is twice as resistant to corner cracking as conventional corner reinforcing. And it's galvanized...no rusting, no discoloration of plaster.

* Test data furnished on request.

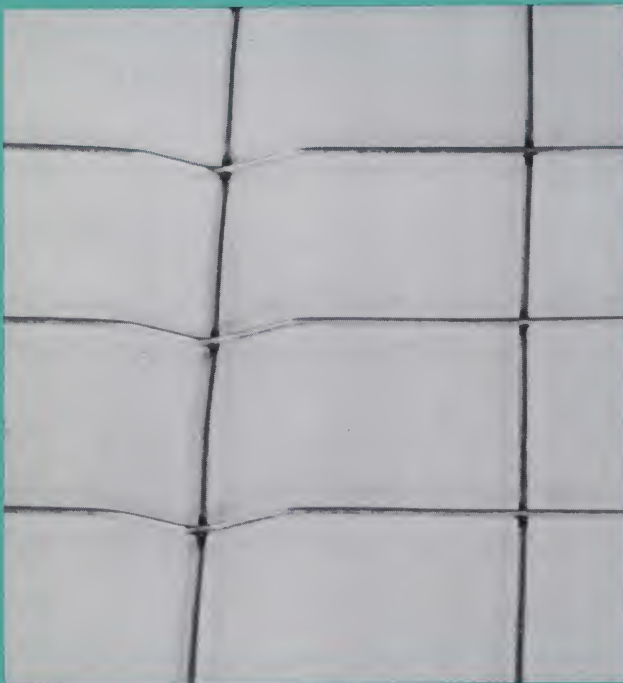
K-LATH MESHES

Self-furring galvanized steel wire lath, 1½" x 2" mesh, 16 x 16 gage, not paper backed. Crimped to provide ¼" of furring. Sheet sizes:

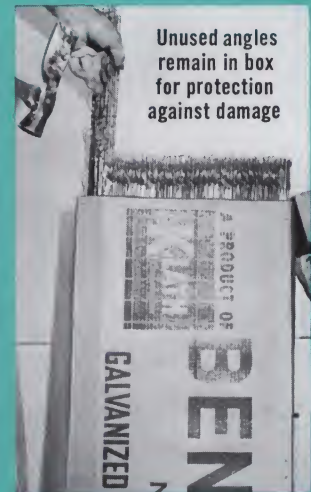
28" x 98½" (EX-28-98½) for reinforcing stucco and brick veneer.

28" x 50" (EX-28-50) for floor tile reinforcing.

24" x 50" (TD-24) and 20" x 50" (TD-20) for reinforcing tile decks in kitchens and bathrooms.



Convenient zip-top box
is easy to open



Unused angles
remain in box
for protection
against damage

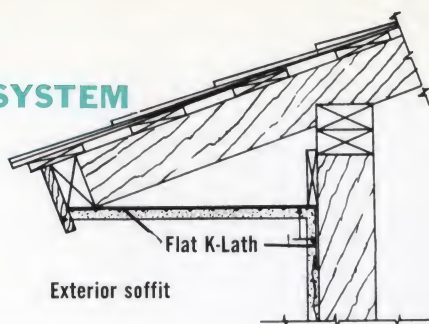


Quickly flattened;
use one product
for both corners and
stripping material

materials dealers from coast to coast

K.LATH
Corporation

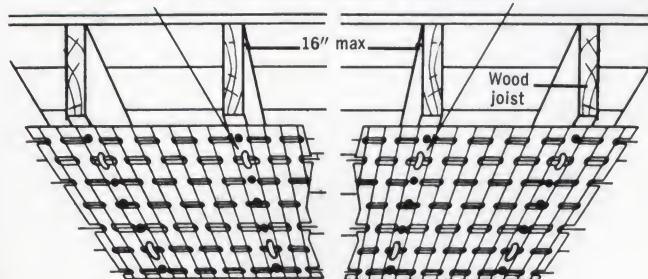
K-LATH SOFFIT SYSTEM



The flat, exactly formed sheets of K-Lath can be bent accurately and easily to form soffits without framing. Write for details.

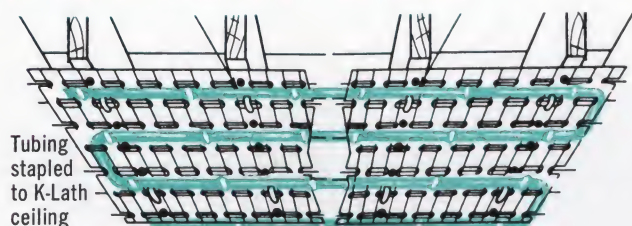
K-LATH SAFETY CEILING

Space staples 27" o.c. along each joist.
Use $\frac{5}{8}$ " x $1\frac{1}{2}$ " Earthquake Staples, 9 gage zinc plated



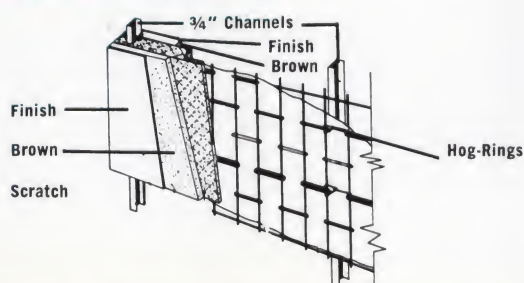
Wherever earthquakes, tornadoes or hurricanes necessitate safety ceilings, rigid, flat sheets of K-Lath attached with special K-Lath hook-type staples make a ceiling of such structural strength that it cannot fall unless the entire building collapses. (Details on request.)

K-LATH RADIANT CEILING



K-Lath's extra strength makes it ideal for radiant-heat ceilings. Will receive one full inch of plaster to cover tubing completely. (Step-by-step installation procedure free on request.)

SOLID PARTITIONS



K-Lath is approved for solid partitions. Saves space, time and money. (Write for step-by-step installation guide.)

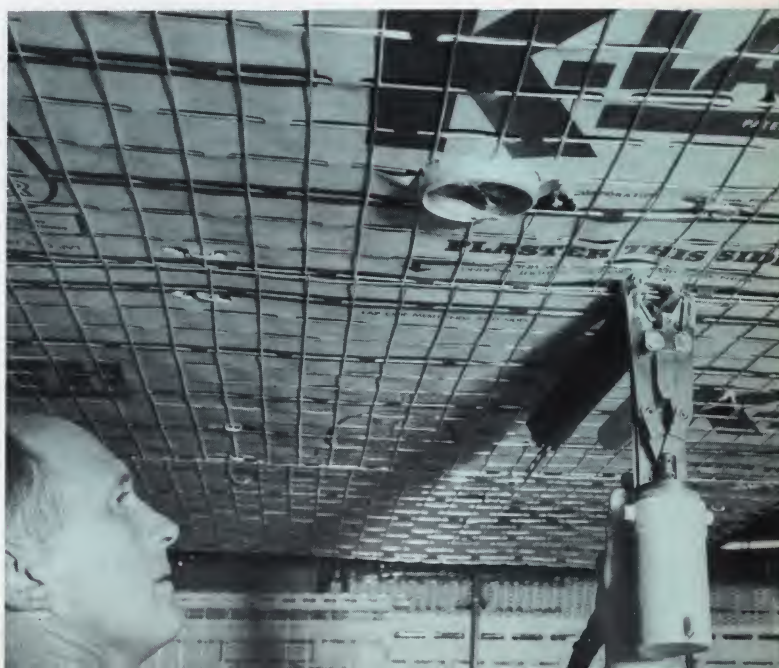


HANGING K-LATH

A simple snip with cutters forms a hook from which the next sheet of K-Lath may be hung in place. Proper lap of one mesh is thus automatic. Hook is then bent back and new sheet is nailed or stapled to wood studs, tied or hog-ringed to steel studs or pencil rod. Write for Mechanized Lathing Guide.

K-LATH HOG-RING GUN

Speeds up lathing time... important savings in installation costs can be achieved by means of the K-Lath Hog-Ring Gun. At a touch of the trigger, this tool ejects a heavy galvanized wire staple, drives it through the paper backing and wraps it securely around the metal stud, $\frac{3}{4}$ " channel iron or pencil rod. Write for Mechanized Lathing Guide.



K-LATH APPROVALS

Uniform Building Code
Federal Specifications QQ-B-101c
Federal Specifications UU-P-147b
New York City Board of Appeals Cal# 143/60/SM
State of New York
City and County of Los Angeles
City and County of San Francisco
California State Division of Architecture
Meets Minimum Property Standards of FHA and VA

Also specifically approved by many other states, counties and cities. Test data and specific approvals available on request.

K-Lath Specifications

MATERIALS

All K-LATH products are fabricated of copper bearing, cold drawn, *galvanized* steel wire, electrically welded at all intersections.

TYPES OF REGULAR K-LATHS (ABSORBENT PERFORATED BACKING)

A. FLAT K-LATH

1. Fabricated with 16-gage vertical face wires spaced at 1½" on centers and 16-gage horizontal back wires spaced at 2" on centers, except that every third back wire shall be 13 gage. Between the front and back wires is kraft paper especially perforated to insure positive embedment of the wires by the mortar (see illustration, page 2.)
2. Sheet sizes:
 - a. 28" x 50" (SP-50)
 - b. 28" x 98½" (SP-98½)
3. Uses:
 - a. Interior—on wood and metal framing for all vertical, horizontal, sloping and curved surfaces where plaster is required.
 - b. Exterior—on wood and metal framed soffits and ceilings where plaster is required.

B. SELF-FURRING K-LATH

1. Fabricated the same as Flat K-Lath, except that a continuous ¼" horizontal furring crimp is provided at 6" on centers. (See Type SF detail, page 2.)
2. Sheet size:
 - a. 28" x 50" (SP-SF-50)
3. Uses:
 - a. Interior—on solid sheathed vertical surfaces where plaster is required. On vertical metal framing as reinforcement for cement plaster, ceramic tile, terrazzo and similar finishes.
 - b. Exterior—on vertical metal framing as reinforcement for cement plaster, ceramic tile, terrazzo and similar finishes.

TYPES OF WATERPROOF K-LATHS (LAMINATED BACKING)

A. AQUA K-LATH (self-furred)

1. Fabricated with 16-gage vertical front wires spaced at 1½" on centers and 16-gage horizontal back wires spaced at 2" on centers. Between the front and back wires is kraft paper especially perforated to insure embedment of the wires by the mortar. A layer of Class "B" (water resistant) building paper is strip-glued to the back of the kraft paper. Extended horizontal and vertical waterproof paper flaps are provided for proper waterproofing. A continuous horizontal ¼" furring crimp is provided at 6" on centers. (See illustration, page 3.)
2. Sheet sizes:
 - a. 28" x 50" (AK-50)
 - b. 28" x 98½" (AK-98½)
3. Uses:
 - a. Reinforcement wherever a high degree of waterproofing is desired—
 1. Tubs and showers.
 2. Ceramic tile, veneer, gunite, terrazzo, etc.
 3. Spandrel walls.
 4. Solid sheathing.

B. STUCCO-RITE (self-furred)

1. Fabricated the same as Aqua K-Lath, except that a layer of Class "D" (breather type) building paper is used. (See illustration, page 3.)
2. Sheet size:
 - a. 28" x 98½" (SR-98½)
3. Uses:
 - a. Reinforcement wherever a breather type of building paper is desired:
 1. Exterior walls—plaster, gunite, tile, etc.
 2. Rakes, gables and pushups.
 3. Solid sheathed walls
 4. Veneer

NOTE: Waterproof K-Laths can be fabricated with almost any type of backing (aluminum foil, Orange Label Sisalkraft, etc.) ON SPECIAL ORDER.

MESHES

A. K-MESHES (self-furred — no paper)

1. Fabricated with 16-gage front wires spaced at 1½" on centers and 16-gage back wires spaced at 2" on centers. A continuous horizontal ¼" furring crimp is provided at 6" on centers. (See photo, page 4.)
2. Sheet sizes:

a. 28" x 98½" (EX-28-98½)	} For floors and larger areas
b. 28" x 50" (EX-28-50)	
c. 24" x 50" (TD-24)	} For drainboard decks, etc.
d. 20" x 50" (TD-20)	
3. Uses:

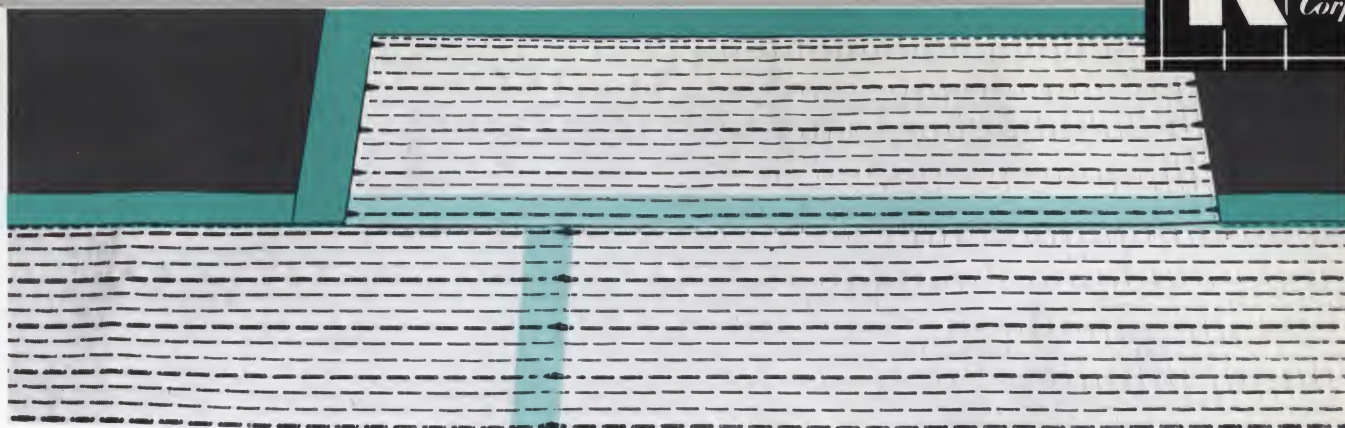
K-Meshes are general reinforcement for mortar beds—tile, terrazzo, gunite, etc. K-Meshes are custom cut to fit without job cutting and waste, and meet most requirements for steel content, bonding surface area, etc.

	REGULAR K-LATH			WATERPROOFED K-LATH			K-MESHES (NO PAPER)			
	SP-50	SP-98½	SP-SF-50	AK-50	AK-98½	SR-98½	EX-28-98½	EX-28-50	TD-24	TD-20
Standard Package	19 Sheets 20 Sq. Yds.	12 Sheets 25 Sq. Yds.	19 Sheets 20 Sq. Yds.	19 Sheets 20 Sq. Yds.	12 Sheets 25 Sq. Yds.	12 Sheets 25 Sq. Yds.	12 Sheets 25 Sq. Yds.	19 Sheets 20 Sq. Yds.	20 Sheets	20 Sheets
Gross Weight	37.70	46.05	37.70	39.25	48.45	50.75	34.25	35.25	25.76	20.26
Sheet Size	28" x 50"	28" x 98½"	28" x 50"	28" x 50"	28" x 98½"	28" x 98½"	28" x 98½"	28" x 50"	24" x 50"	20" x 50"
Net Weight Per Sheet	1.98	3.84	1.98	2.07	4.04	4.23	2.896	1.855	1.288	1.013
Area (Sheet)	1.08 Sq. Yd.	2.12 Sq. Yd.	1.08 Sq. Yd.	1.08 Sq. Yd.	2.12 Sq. Yd.	2.12 Sq. Yd.	2.12 Sq. Yd.	1.08 Sq. Yd.	1200 Sq. In.	1000 Sq. In.
Reinforcing Fabric	1½" x 2" Galv. wire	1½" x 2" Galv. wire	1½" x 2" Galv. wire	1½" x 2" Galv. wire	1½" x 2" Galv. wire	1½" x 2" Galv. wire	1½" x 2" Galv. wire	1½" x 2" Galv. wire	1½" x 2" Galv. wire	1½" x 2" Galv. wire
Gage of Wire	16-16-13 A.S. & W.G.	16-16-13 A.S. & W.G.	16-16-13 A.S. & W.G.	16-16 A.S. & W.G.	16-16 A.S. & W.G.	16-16 A.S. & W.G.	16-16 A.S. & W.G.	16-16 A.S. & W.G.	16-16 A.S. & W.G.	16-16 A.S. & W.G.
Stiffener Wire	13 ga. Spaced 6" o.c.	13 ga. Spaced 6" o.c.	13 ga. Spaced 6" o.c.	None	None	None	None	None	None	None
Self-furring Crimp	None	None	¼ inch	¼ inch	¼ inch	¼ inch	¼ inch	¼ inch	¼ inch	¼ inch
Type of Paper Backing	Absorbent Perforated	Absorbent Perforated	Absorbent Perforated	Absorbent Perforated with Class "B" Bldg.	Absorbent Perforated with Class "B" Bldg.	Absorbent Perforated with Class "D" Bldg.	None	None	None	None

BENTRITE: 2" x 2" x 4", 18½ gage galvanized steel wire. 500 lineal feet per carton, 36 cartons self-palletized. Wt. 24.61 lbs. per carton.

NOTES: 1. Wire for all types of K-Lath: copper bearing, cold drawn steel. 2. Galvanized: .10 to .15 oz. 1 per sq. ft. 3. Tensile: 65,000 PSI—complies with ASA: A-42.4.

Write for **K-LATH** Mechanized Lathing Guide...



Overlapping Stucco-Rite backing sheet assures waterproof installation

APPLICATION

A. REGULAR K-LATHS

1. K-Lath shall be applied with the long dimension at right angles to supports.
2. The lath shall be bent into and around corners and extend not less than one stud space on adjoining wall.
3. Side laps shall be at least 2" and end laps at least 1½". Where necessary side laps shall be wire tied or "clip tied" between supports (see K-Lath Mechanized Lathing Guide). End laps and adjacent sheets shall not occur at the same support. Laps shall not occur in line with frame members of opening.
4. Where a framed wall is a continuation of a concrete or masonry wall which is to be plastered, the lath shall extend for at least three mesh openings onto the concrete or masonry. Where a wall, ceiling or soffit meets concrete or masonry construction which is to be plastered, the lath shall be bent into the corner and extended at least three mesh openings onto the concrete or masonry or, if butted at the intersection, reinforcing extending at least 3" on each adjacent surface shall be provided.
5. Where K-Lath abuts grounds, screeds, etc., and there is no backing between the supports, the side of the lath which has the "stitch" wire at the outer edge shall be used adjacent to the grounds.

B. WATERPROOF K-LATHS

1. String wires are not to be used.
2. Start application at bottom, working up and from right to left.
3. When hanging lath, extend both horizontal and vertical factory flaps. The horizontal flap must be in "UP" position. When proper wire overlaps are made (2" on sides and 1½" on ends) these extension flaps automatically form required shingle fashion waterproofing (see photo page 7).
4. Lath shall be applied with long dimensions at right angles to supports.
5. Vertical laps shall be staggered.
6. When circumstances require a "cove" or "shoe" (tubs, showers, etc.), the factory flaps will meet these requirements without additional paper by reversing the sheet so that the extension flap forms the cove or shoe. When this option is used, a two mesh overlap is required on the top side of the reversed sheet to comply with waterproofing requirements.
7. Final nailing or stapling is to be done at furring crimp at 6" on centers. No furring nails are required.

NOTE: This wire reinforcing fabric, combined with the listed types of building papers, conforms to every requirement for waterproof backing. With proper application, the waterproof extension "factory flaps" will meet almost every situation without additional paper.

C. K-MESHES

To be applied in strict accordance with ordinances and codes. In all cases, the material must form a flat uniform reinforcement, with the furring crimp holding the fabric ¼" from the supporting surface, allowing complete and uniform embedment of the wires by the mortar.

ATTACHMENTS

A. WOOD FRAMING

Attachment of lath to wood supports shall be by means of nails or staples or approved devices which shall securely engage the back wires and shall be spaced at not to exceed 6" on centers on each support.

1. Vertical Surfaces:
 - a. Nails shall be as specified by architect or as required by building code. All nails shall have a minimum penetration of ¾" into the support.
 - b. Staples shall be of 16-gage galvanized wire, 7/8" long and ¾" wide or 16-gage galvanized wire, 1¼" long and ¾" wide.

- c. On exterior applications, all attachments shall be corrosion resistant.
2. Horizontal and Sloping Surfaces:
 - a. Nails shall be 11-gage, 1½" long, galvanized, barbed, with 7/16" heads—driven home, or as specified by architect or as required by building code.
 - b. Staples shall be 16-gage galvanized wire, 7/8" long and ¾" wide or 14-gage galvanized wire 1¾" long and ¾" wide.

NOTE TO ARCHITECT: Tests have been made and specifications, details and approvals are available for "Earthquake Safety Ceilings" as specified for all School Construction in State of California (recommended for other areas where seismic construction is required). See page 5.

B. METAL FRAMING (Horizontal and Vertical Surfaces)

1. K-Lath shall be attached to metal supports spaced at not to exceed 16" on centers for walls, partitions, furred spaces, suspended and contact ceilings where plaster is required, by means of 18-gage galvanized tie wire or 14-gage galvanized hog rings. The tie wire or hog rings shall engage one or more wires of the K-Lath and shall encircle the flange of the metal support at not to exceed 6".

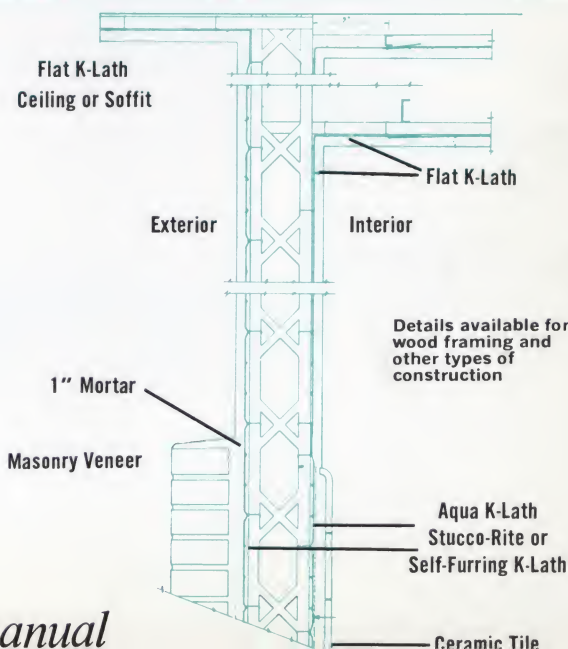
IMPORTANT

For a successful plaster job on all types of three-coat laths, each coat is important. The emphasis must be placed on the SCRATCH COAT. It is the beginning of the finish product. Within this scratch coat lies the strength of bond that carries the weight of a level and uniform brown and finish.

The scratch coat must be—

1. Strong in mix.
2. Proper in consistency.
3. Applied as heavy as practical (by machine or hand).
4. Worked with hand tools to form full keys and a level base for succeeding coats.

"THE SCRATCH COAT SHALL BE APPLIED WITH SUFFICIENT MATERIAL AND PRESSURE TO FORM GOOD FULL KEYS." (Ref. Specs. "California Lathing and Plastering Contractors Association, Inc.")

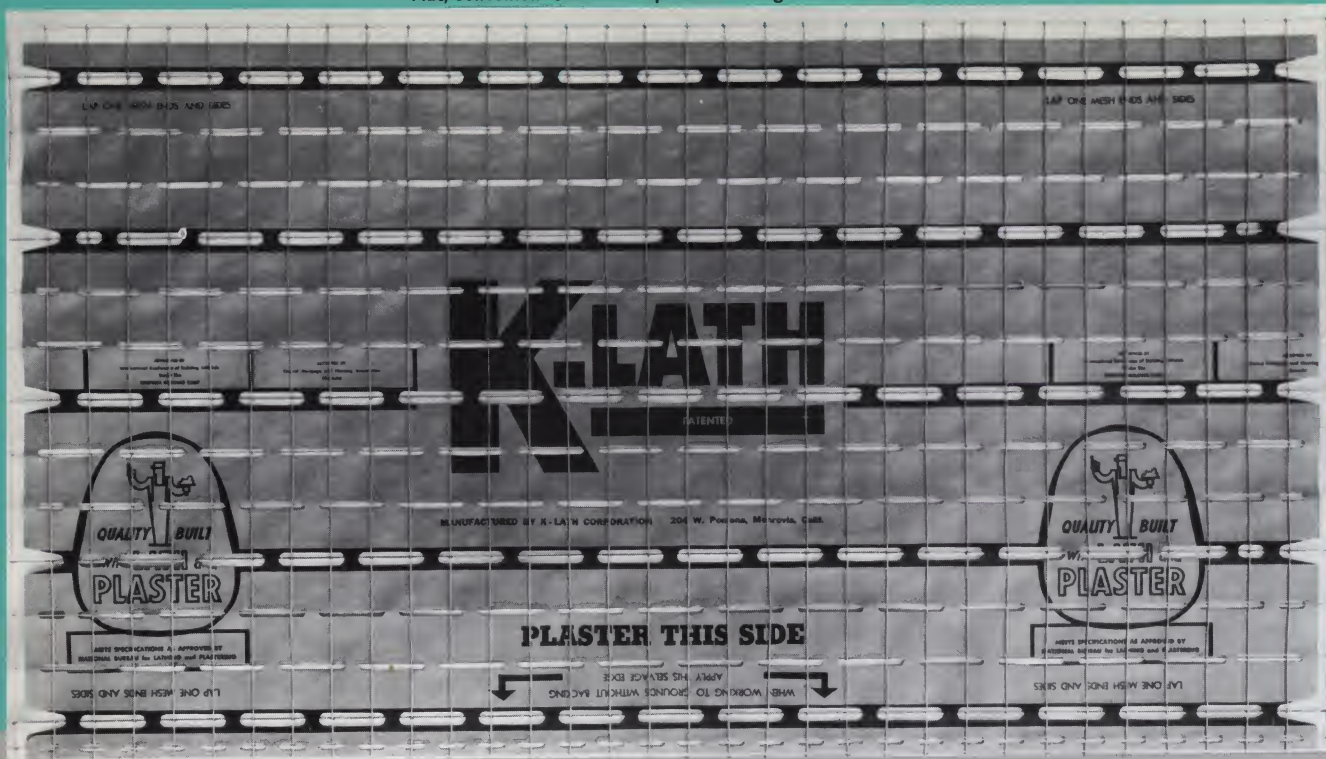


Details available for wood framing and other types of construction

Aqua K-Lath
Stucco-Rite or
Self-Furring K-Lath

Ceramic Tile

Flat, convenient size sheet speeds handling and installation



Modern **K-LATH** *packaging protects lath from damage*

Easy to handle . . . space-saving in storage

K-Lath is packed in lightweight, safe-to-handle
corrugated board packages, palletized for easy,
space-saving storage and fast handling by fork-lift trucks.
Protective package assures delivery of lath in perfect
condition and protects it from damage on the job.

K-LATH CORPORATION

204 West Pomona Avenue
Monrovia, California

Lightweight
protective package
for easy handling
on the job

Palletized for fork-lift handling; conserves storage space



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IN
U. S. A.



Flat, convenient size sheet speeds handling and installation

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